

SECRET

PRIORITY

1967 DEC 1 00 37Z

25X1 SECRET 010018Z CITE [REDACTED]

25X1 PRIORITY
OXCART

SUBJECT: EVALUATION OF BLACK SHIELD MISSION BX 6733

1. CAMERA TYPE I (115A), UNIT C WAS USED ON MISSION BX 6733. PROCESSING WAS ACCOMPLISHED IN THE FIELD. THE MISSION CONTAINS 1100 TITLED FRAMES.

2. BOTH CAMERAS OPERATED SATISFACTORILY THROUGHOUT THE MISSION. DURING STRAIGHT AND LEVEL FLIGHT, ESTIMATED GROUND RESOLUTIONS [REDACTED] (ONE BAR PLUS ONE SPACE) WAS OBTAINED ON IMAGERY NEAR THE VERTICAL PORTION OF THE FORWARD CAMERA FRAMES; THE AFT CAMERA FRAMES APPEARED COMPARABLE. FOR ANALYTICAL PURPOSES, STRAIGHT AND LEVEL FLIGHT OCCURS WHEN THE CAMERA IS UNCAGED AND THE VEHICLE IS WITHIN THE CAMERA STABILIZATION LIMITS IN ROLL AND PITCH.

3. EXPOSURE FOR BOTH CAMERAS WAS ADEQUATE EXCEPT FOR THE FIRST 40 FRAMES WHICH APPEAR TO BE ONE F/STOP UNDEREXPOSED.

4. EMULSION SCRATCHES ARE PRESENT IN FRAMES 127, 705, AND 709. EMULSION LIFTS OCCUR INTERMITTENTLY THROUGHOUT THE MISSION. CHEMICAL STAINS ARE PRESENT BETWEEN FRAMES 75 AND 76 AND ALSO BETWEEN FRAMES 599 AND 600.

5. FRAME 307 OVERLAPS FRAME 310. ALSO FRAME 893 OVERLAPS FRAME 896 AND FRAME 901 OVERLAPS FRAME 904. THE DATA BLOCK IS MISSING FOR FRAME 66. THE CAMERA RECYCLED BETWEEN FRAMES 464 AND 488. THE TIMING MARKS RUN OFF THE FILM ON THE LEADING EDGE IN AFT CAMERA FRAMES INTERMITTENTLY THROUGHOUT THE MISSION. ALL HEAT SPLICES OCCURRED BETWEEN FRAMES.

6. PROGRAMMED V/H WAS USED FOR 95 PERCENT OF THE MISSION. SENSED V/H WAS USED FOR THE OTHER 5 PERCENT OF THE MISSION.

7. THE CORRELATION OF THE INS TAPE, FILM DATA BLOCK, AND IMAGERY IS SATISFACTORY. THE FILM CLOCK IS TWO SECONDS HIGH FOR THE ENTIRE MISSION.

8. CLOUDS OBSCURE APPROXIMATELY 60 PERCENT OF THE MISSION IS CLOUD COVERED.

9. THE ZERO PRIORITY REPRODUCTIONS AND REGULAR REPRODUCTIONS APPEAR TO BE OF EQUAL QUALITY.

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GROUP 1
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